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Replacement Sheet

ABSTRACT OF THE DISCLOSURE

A phase synchronizer may operate, for example, to establish synchronization with a phase of a received codeword. The phase synchronizer may include, for example, an input shift register, a first syndrome computing module, a first error detection module, a second syndrome computing module, a second error detection module and a comparator arrangement. The first syndrome computing module may compute syndromes relating to a first potential phase of the codeword. The first error detection module may determine, based upon the first syndromes, a first number of errors associated with the first potential phase of the codeword. The second syndrome computing module may compute syndromes relating to a second potential phase of the codeword. The second error detection module may determine, based upon the second syndromes, a second number of errors associated with the second potential phase of the codeword.